



High Translucent GF Reinforced FR PC

for Consumer Electronics
and Beyond

Makrolon®

GF : Glass Fiber
FR: Flame Retardant
PC: Polycarbonates

Unique solution to achieve high translucency, rigidity and flame retardancy at the same time

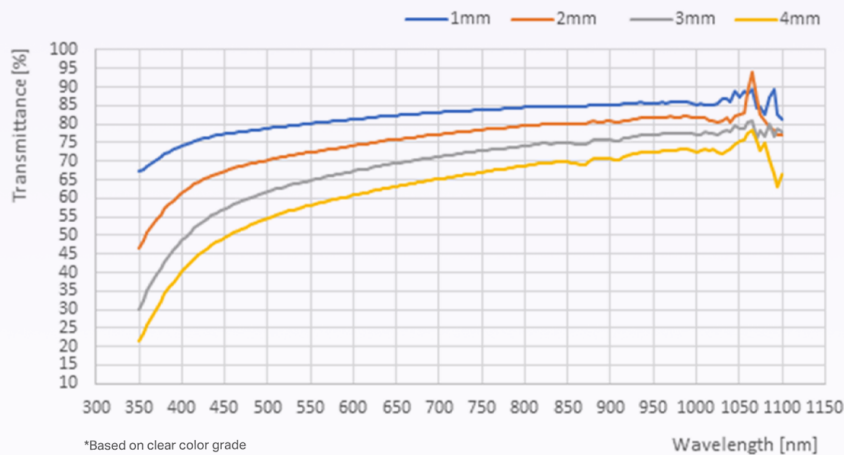
Key Properties	 Premium Offering Makrolon® GF9024	Standard Offering General GF PC
 Glass fiber content	12%	10%
 Light transmittance @2mm	70%	65%*
 Haze @2mm	56%	92%*
 UL 94 V0 (mm)	1.5	1.5
 MVR (cm³/10min)	15 (260 °C, 5kg)	6 (300 °C, 1.2kg)
 Tensile modulus (Mpa)	4300	3800
 Izod notch impact strength (kJ/m²)	12	10
 Vicat softening temperature	126°C	144°C

* Remark: one-time internal test data

Good flow for easy processing and realize structural complexity



Good light transmittance at different wavelength including the near-infrared waves



High translucency

- For light transmission and dazzling design

Good strength and rigidity

- For reliable mechanical performance

Halogen-free flame retardancy

- For high safety standard



GF9024
(GF12%, 2mm)



General GF PC
(GF10%, 2mm)



Unleash the design possibilities and inspire your next idea!




Inspire the dazzling design and create the distinguished experiences to customers

- To create the special lighting effects
- To make the invisible visible
- To enable the freedom of colorability



Empower the diversified using cases in Consumer Electronics and beyond

From gaming laptop to the other broad Consumer Electronics applications and beyond e.g. wearables, IoT, smart appliances, mobile devices, etc., GF9024 opens the door to discover all the possibilities of aesthetics design, while still able to achieve the excellent mechanical performance and flame retardancy to meet the high functionality & safety requirements

Application Examples 

GF9024 for ASUS Gaming Laptop

High translucent keyboard to create the extraordinary lighting effects and visualize the cutting-edge technology of cooling system inside.





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